



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

February 12, 2008

Mr. Gerardo Rios  
Chief, Permits Office  
US EPA, Region IX- Air 3.  
75 Hawthorne Blvd.  
San Francisco, CA 94105

Dear Mr. Rios:

Universal City Studios, LLC (SIC code 7800), ID 800202 has proposed to revise their Title V permit by adding the following equipment:

Application No.	Equipment	Page
476431	Pressure Washer	104

This proposed revision is a "de minimis significant permit revision" to the Title V permit. Please review the attached draft Section D. Questions concerning changes to the permit should be directed to Mr. Roy Olivares at (909) 396-2208.

Very truly yours,

*Michael D. Mills*

Michael D. Mills  
Senior Manager  
General Commercial & Energy Team  
Engineering and Compliance

Attachments

*Original copy of permit revision submitted to EPA Region IX on 2/12/08*

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **Facility Equipment and Requirements (Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

## FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC

### PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit to Operate number	Equipment description	Page number
109262	M31544	SPRAY BOOTH	5
121393	M40987	SPRAY BOOTH	7
121394	M40988	SPRAY BOOTH	9
121395	M40989	SPRAY BOOTH	11
121397	M40990	SPRAYBOOTH	13
121398	M40991	OVEN	14
381319	F45441	SPRAY BOOTH	15
218541	D59886	ICE EM FIRE PUMP-DIESEL	17
396515	F48763	ICE EM ELEC GEN-DIESEL	18
396516	F48764	ICE EM ELEC GEN-DIESEL	20
396509	F48760	BOILER	22
396512	F48759	BOILER	24
426050	F69295	ICE EM ELEC GEN-DIESEL	26
426063	F69296	ICE EM ELEC GEN-DIESEL	28
289132	D80818	ICE EM FIRE PUMP-DIESEL	30
299771	D88950	ICE EM ELEC GEN-DIESEL	31
459463	F85211	ICE EM ELEC GEN-DIESEL	33
317699	F01255	ICE EM ELEC GEN-DIESEL	35
317701	F2630	ICE EM ELEC GEN-DIESEL	37
426052	F69244	ICE EM ELEC GEN-DIESEL	39
426067	F69290	ICE EM ELEC GEN-DIESEL	41
317868	F01256	ICE EM ELEC GEN-DIESEL	43
318123	F2527	ICE EM ELEC GEN-NATURAL GAS	45
336289	F12901	STEAM CLEANER	46
338100	F12919	ICE EM ELEC GEN-DIESEL	47
426051	F69292	ICE EM ELEC GEN-DIESEL	49
414392	N12575	SERVICE STATION	51
347623	F19569	STEAM CLEANER	55
436583	N15981	SERVICE STATION	56
426061	F69297	ICE EM ELEC GEN-DIESEL	60
379304	F41128	ICE EM ELEC GEN-DIESEL	62
379305	F41129	ICE EM ELEC GEN-DIESEL	64
426062	F69294	ICE EM ELEC GEN-DIESEL	66
426064	F68897	LANDFILL GAS SYS.	68
381318	F43473	ICE EM ELEC GEN-DIESEL	70
426059	F69307	ICE EM ELEC GEN-DIESEL	72
402127	F52612	NEGATIVE AIR MACHINE	74
402128	F52613	NEGATIVE AIR MACHINE	78
392662	F46186	ICE EM ELEC GEN-DIESEL	82

## FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC

396510	F48762	BOILER	84
393684	F48207	ABRASIVE BLASTING, PORTABLE	86
402105	F52607	ICE EM ELEC GEN-DIESEL	88
396217	F48611	FILM CLEANING MACHINE	90
396218	F48612	AIR POLLUTION CONTROL SYSTEM	91
426053	F69293	ICE EM ELEC GEN-DIESEL	93
438542	F74244	STEAM CLEANER	95
426055	F69291	ICE EM ELEC GEN-DIESEL	96
453517	F84370	PRESSURE WASHER	98
453518	F84372	PRESSURE WASHER	99
453519	F84379	PRESSURE WASHER	100
438540	F74347	PRESSURE WASHER	101
456387	F84369	PRESSURE WASHER	102
474757	F95054	PRESSURE WASHER	103
476431		PRESSURE WASHER	

**NOTE:** EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **FACILITY WIDE CONDITION(S)**

**Condition(s):**

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
  - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGLEMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
  - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.  
[RULE 401]
2. THE OPERATOR SHALL NOT USE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.  
[RULE 431.2]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. M31544  
A/N 109262**

#### **Equipment Description:**

SPRAY BOOTH, BINKS, AUTOMOTIVE TYPE, MODEL TA-542-T, 16'-4" W X 42'-8" L X 14'-2" H., WITH SIX 20" X 36" EXHAUST FILTERS, SIX 42" X 36" EXHAUST FILTERS AND ONE 7 1/2 HP EXHAUST FAN.

#### **Conditions:**

1. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA.  
[RULE 1303 (a)-BACT]
2. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303 (a)-BACT]
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 7 GALLONS IN ANY ONE DAY.  
[RULE 1303 (b)(2)]

#### **Periodic Monitoring:**

4. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
5. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

VOC: RULE 109  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1145, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1151, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1106.1, SEE APPENDIX B FOR EMISSIONS LIMITS  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. M40987  
A/N 121393**

#### **Equipment Description:**

SPRAY BOOTH, BINKS, PUMPLESS WATERWASH TYPE, MODEL NO. NPB-16-10-TLH, 16'-0" W X 12'-8" L X 9'-10" H,, WITH ONE 20 HP EXHAUST FAN.

#### **Conditions:**

1. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS THE WATERWASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION.  
[RULE 1303 (a)-BACT]
2. THE TOTAL QUANTITY OF RESINS AND CATALYST USED IN THIS EQUIPMENT SHALL NOT EXCEED 55 GALLONS IN ANY ONE DAY.  
[RULE 1303 (b)(2)]

#### **Periodic Monitoring:**

3. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS THE WATER WASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION WITH THE WATER TROUGH COMPLETELY COVERING THE EXHAUST SECTION OF THE BOOTH. THE OPERATOR SHALL ALSO PERFORM A WEEKLY INSPECTION OF THE WATER TROUGH INTEGRITY. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE WATER TROUGH;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]
4. THE WATER LEVEL IN THE WATER TROUGH SHALL BE MAINTAINED TO NO MORE THAN EIGHT INCHES FROM THE TOP OF THE WATER TROUGH.  
[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109

VOC: RULE 1162, SEE APPENDIX B FOR EMISSIONS LIMITS



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. M40988  
A/N 121394**

#### **Equipment Description:**

SPRAY BOOTH, BINKS, AUTOMOTIVE WATERWASH TYPE, 14'-0" W X 53'-0" L X 12'-0" H,, WITH ONE 5 HP WATER PUMP AND TWO 7 1/2 HP EXHAUST FANS.

#### **Conditions:**

1. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS THE WATERWASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION.  
[RULE 1303 (a)-BACT]
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 6 GALLONS IN ANY ONE DAY.  
[RULE 1303 (b)(2)]

#### **Periodic Monitoring:**

3. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS THE WATER WASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION WITH THE WATER CURTAIN COMPLETELY COVERING THE EXHAUST SECTION OF THE BOOTH. THE OPERATOR SHALL ALSO PERFORM A WEEKLY INSPECTION OF THE WATER CURTAIN INTEGRITY. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE WATER WASH;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1145, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1136, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1151, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1106.1, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

PM: RULE 481

PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. M40989  
A/N 121395**

#### **Equipment Description:**

SPRAY BOOTH, BINKS, FLOOR FILTER TYPE, MODEL PFA-14-8-TLH, 14'-0" W X 8'-0" H X 11'-2" L,, WITH TWO ANDREA E FILTERS AND ONE 5 HP EXHAUST FAN.

#### **Conditions:**

1. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA.  
[RULE 1303 (a)-BACT]
2. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303 (a)-BACT]
3. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 6 GALLONS IN ANY ONE DAY.  
[RULE 1303 (b)(2)]

#### **Periodic Monitoring:**

4. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
5. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

VOC: RULE 109  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1145, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1136, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. M40990  
A/N 121397**

#### **Equipment Description:**

SPRAY BOOTH, BINKS, FLOOR WATERWASH TYPE, MODEL WE-16-10-TLH; 16'-0" W X 25'-1" L X 10'-0" H,,  
WITH ONE 10 1/2 HP WATER PUMP AND ONE 10 HP EXHAUST FAN.

#### **Conditions:**

1. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS THE WATERWASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION.  
[RULE 1303 (a)-BACT]
2. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 6 GALLONS IN ANY ONE DAY.  
[RULE 1303 (b)(2)]

#### **Periodic Monitoring:**

3. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS THE WATER WASH UNIT IS PROPERLY MAINTAINED AND IN FULL OPERATION WITH THE WATER CURTAIN COMPLETELY COVERING THE EXHAUST SECTION OF THE BOOTH. THE OPERATOR SHALL ALSO PERFORM A WEEKLY INSPECTION OF THE WATER CURTAIN INTEGRITY. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE WATER WASH;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1145, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1136, SEE APPENDIX B FOR EMISSIONS LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. M40991  
A/N 121398**

#### **Equipment Description:**

OVEN, BINKS, BATCH TYPE, 16'-0" W X 26'-0" L X 8'-0" H., 1,500,000 BTU PER HOUR, DIRECT GAS FIRED, WITH ONE 15 HP CIRCULATION FAN AND ONE 1 HP EXHAUST FAN.

#### **Conditions:**

1. THIS OVEN SHALL NOT BE OPERATED AT TEMPERATURES ABOVE 250 DEGREES FAHRENHEIT

#### **Periodic Monitoring:**

2. THE OPERATOR SHALL INSTALL AND MAINTAIN A TEMPERATURE INDICATOR TO READ DEVICE READING DEGRESS FAHRENHEIT TO ACCURATELY INDICATE THE TEMPERATURE OF THE OVEN  
[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

3. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F45441  
A/N 381319**

#### **Equipment Description:**

SPRAY BOOTH, BLEEKER, MODEL APL-26, AUTOMOTIVE TYPE, 14'-0" W X 26'-0" L X 9'-0" H,, WITH EIGHTEEN 20" X 20" EXHAUST FILTERS AND ONE 2 HP EXHAUST FAN.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.  
[RULE 1303 (a)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL MUST NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303 (a)-BACT]
5. THIS EQUIPMENT SHALL COMPLY WITH RULES 1107, 1136, 1145 AND 1171.  
[RULE 1107, RULE 1136, RULE 1145, RULE 1171]
6. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS, AND SOLVENT USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (a)-BACT]
7. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED 6 GALLONS IN ANY ONE DAY.  
[RULE 1303 (b)(2)-OFFSETS]
8. THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORD KEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS)  
[RULE 109]



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

9. IN ADDITION TO COMPLYING WITH RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY VOC CONTENT OF EACH COATING AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT AND SHALL BE RETAINED AT THE FACILITY FOR AT LEAST 24 MONTHS, AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109]

### **Periodic Monitoring:**

10. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
11. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 109
  - VOC: RULE 1107, SEE APPENDIX B FOR EMISSIONS LIMITS
  - VOC: RULE 1145, SEE APPENDIX B FOR EMISSIONS LIMITS
  - VOC: RULE 1136, SEE APPENDIX B FOR EMISSIONS LIMITS
  - VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS
  - PM: RULE 481
  - PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. D59886  
A/N 218541**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL FUELED, MODEL NO.3208NA/175, SERIAL NO. 90N71047, 8 CYLINDERS, FOUR CYCLE, NATURALLY ASPIRATED, 165 BHP, DRIVING FIRE PUMP.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL COMPLY WITH RULE 1110.1 AND 1110.2 IN ACCORDANCE WITH THE COMPLIANCE SCHEDULES.  
[RULE 1110.1, RULE 1110.2]

#### **Emissions And Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1470

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48763  
A/N 396515**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3406 B TA, DIESEL FUELED, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 519 B.H.P DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1303 (a)-BACT, RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]
9. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303 (a)-BACT]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48764  
A/N 396516**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. NTA855-G2, DIESEL FUELED, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED AND AFTERCOOLED, RATED AT 465 B.H.P DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 14710]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1303 (a)-BACT, RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]
9. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303 (a)-BACT]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48760  
A/N 396509**

#### **Equipment Description:**

BOILER NO. 1, CONTINENTAL, MODEL NO. F10C200LWB, SERIAL NO. 3939-3G436, WITH AN INDUSTRIAL COMBUSTION, MODEL LND-105P, 8,369,000 BTU PER HOUR, NATURAL GAS LOW NOX BURNER, WITH A 10 H.P. COMBUSTION AIR BLOWER, AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH RULE 1146.  
[RULE 1146]
4. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL, AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO MAINTAIN ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.  
[RULE 1146]
5. RECORDS OF SUCH ADJUSTMENTS, TUNE-UP AND CALIBRATION AS STATED IN CONDITION NO. 4 SHALL BE KEPT FOR AT LEAST 2 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1146]
6. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1146]
7. THIS BOILER SHALL USE NATURAL GAS AS A FUEL ONLY.  
[RULE 1146]
8. THE FUEL OIL SUPPLY LINE TO THE BURNER SHALL BE DISCONNECTED AND RENDER IN-OPERATIVE  
[RULE 1146]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **Periodic Monitoring:**

9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]
  
10. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD.. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
CO: 400 PPMV, RULE 1146  
NOX: 30 PPMV, RULE 1146 NATURAL GAS (SIP APPROVED 11/17/2000)



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48759  
A/N 396512**

#### **Equipment Description:**

BOILER NO. 2, CONTINENTAL, MODEL NO. F10C200LWB, SERIAL NO. 3940-3G436, WITH AN INDUSTRIAL COMBUSTION, MODEL LND-105P, 8,369,000 BTU PER HOUR, NATURAL GAS LOW NOX BURNER, WITH A 10 H.P. COMBUSTION AIR BLOWER, AND AN INDUCED FLUE GAS RECIRCULATION SYSTEM.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH RULE 1146.  
[RULE 1146]
4. THE BURNER SHALL BE EQUIPPED WITH A CONTROL SYSTEM TO AUTOMATICALLY REGULATE COMBUSTION AIR, FUEL, AND RECIRCULATED FLUE GAS AS THE BOILER LOAD VARIES. THIS AUTOMATIC CONTROL SYSTEM SHALL BE ADJUSTED AND TUNED AT LEAST TWICE A YEAR ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO MAINTAIN ITS ABILITY TO REPEAT THE SAME PERFORMANCE AT THE SAME FIRING RATE.  
[RULE 1146]
5. RECORDS OF SUCH ADJUSTMENTS, TUNE-UP AND CALIBRATION AS STATED IN CONDITION NO. 4 SHALL BE KEPT FOR AT LEAST 2 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1146]
6. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1146]
7. THIS BOILER SHALL USE NATURAL GAS AS A FUEL ONLY.  
[RULE 1146]
8. THE FUEL OIL SUPPLY LINE TO THE BURNER SHALL BE DISCONNECTED AND RENDER IN-OPERATIVE  
[RULE 1146]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **Periodic Monitoring:**

9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]
  
10. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD.. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
CO: 400 PPMV, RULE 1146  
NOX: 30 PPMV, RULE 1146 NATURAL GAS (SIP APPROVED 11/17/2000)

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69295  
A/N 426050**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL NO. 8063-7305, SERIAL NO. 6VFI97434, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATOR DRIVER, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, 370 BHP.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1303 (a)-BACT, RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, RULE 1470]

9. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE RETARDED A MINIMUM OF 4 DEGREES RELATIVE TO STANDARD TIMING.

[RULE 1303 (a)-BACT]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69296  
A/N 426063**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 8 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3508 DITA (825 KW), 1106 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
6. THE OPERATION OF THE ENGINE BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
7. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

9. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. D80818  
A/N 289132**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL NO. 3306BDITA, 6 CYLINDERS, FOUR CYCLE, LEAN BURN, TURBOCHARGED, AFTERCOOLED, DIESEL FUELED, 287 BHP, DRIVING AN EMERGENCY, FIRE WATER PUMP.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a)]
4. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1304 (a), RULE 1110.2]
5. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 200 HOURS IN ANY ONE YEAR.  
[RULE 1304 (a)]
6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304 (a)]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. D88950  
A/N 299771**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 6.CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3306 ATAAC, 377 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1303 (a)-BACT, RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F  
A/N 459463**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, 4 CYLINDERS, TURBOCHARGED, MODEL NO. 4BT3.9G2, 102 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1303 (a)-BACT, RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F01255  
A/N 317699**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, JOHN DEERE, 6 CYLINDERS, TURBOCHARGED, MODEL NO. 6059T, 150 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, RULE 1470]

9. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 3 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY JOHN DEERE IN ANNOUNCEMENT FOR GENERATOR DRIVE ENGINE TIMING RETARD INSTRUCTION SCAQMD CERTIFIED EQUIPMENT PERMIT APPLICATION NO. 270733.

[RULE 1303 (a)-BACT]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F2630  
A/N 317701**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, INTERNATIONAL HARVESTER, MODEL NO. UD-407, SERIAL NO. 407DU2U058822, DIESEL-FUELED, 6 CYLINDERS, NATURALLY ASPIRATED, 91 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1401]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, RULE 1470]

9. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.

[RULE 1304 (a), RULE 1110.2]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69244  
A/N 426052**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, PERKINS, MODEL YB70294, SERIAL NO. U586727Y, DIESEL FUEL, 6 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 168 B.H.P, DRIVING AN EMERGENCY STAND-BY GENERATOR (LOCATED AT BUILDING SC-79)

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2 , RULE 1470]
4. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303 (a)-BACT]
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
6. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
7. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
9. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69290  
A/N 426067**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, PERKINS, MODEL LJ70296, SERIAL NO. U593523X, DIESEL FUEL, 4 CYLINDERS, TURBOCHARGED, RATED AT 94 B.H.P, DRIVING AN EMERGENCY STAND-BY GENERATOR (LOCATED AT BUILDING 79)

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303 (a)-BACT]
5. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
6. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
7. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

8. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
9. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F01256  
A/N 317868**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CUMMINS, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 6BT5.9-G1, 135 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F2527  
A/N 318123**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, FORD, NATURAL GAS FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 3002719-HT, 6 CYLINDERS, NATURALLY ASPIRATED, 59 BHP.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR.  
[RULE 1304 (a), RULE 1110.2]
5. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1304 (a), RULE 1110.2]

#### **Emissions And Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F12901  
A/N 336289**

#### **Equipment Description:**

HIGH PRESSURE STEAM CLEANER, ALLADIN, MODEL NO. 1435, DIESEL FIRED, 476,000 BTU PER HOUR RATING (LOCATED AT TRANSPORTATION DEPARTMENT GARAGE 152 B).

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

#### **Emissions And Requirements:**

3. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F12919  
A/N 338100**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, 8 CYLINDERS, TURBOCHARGED, MODEL NO. 3208T (150 KW), SERIAL NO. 5YF01832, 240 BHP, DIESEL-FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]
7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

A. EMERGENCY USE HOURS OF OPERATION

B. MAINTENANCE AND TESTING HOURS

C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.

[RULE 1304 (a), RULE 1110.2, RULE 1470]

8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69292  
A/N 426051**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, WAUKESHA, MODEL NO. VLRDBS L579DS, SERIAL NO. 1124493, DIESEL FUELED, 12 CYLINDERS, TURBOCHARGED, 1262 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED BEHIND BUILDING 218).

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A NON-RESETTABLE TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2, RULE 1110.2]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. N12575  
A/N 414392**

#### **Equipment Description:**

FUEL STORAGE AND DISPENSING SYSTEM CONSISTING OF:

1. 8-GASOLINE DISPENSING NOZZLES, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE RETRACTOR (G-70-52-AM).
2. 2-GASOLINE UNDERGROUND STORAGE TANKS, 20,000-GALLON CAPACITY, EACH EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM (V102-A), METHANOL COMPATIBLE.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.  
[RULE 461]
4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.  
[RULE 461]
5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.  
[RULE 461]
6. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR AT TELEPHONE NUMBER (909) 396-3886. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACKFILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.  
[RULE 461]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED AS A REVERIFICATION TEST TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN EXHIBIT 4 OF CARB EXECUTIVE ORDER V102-A. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT(48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS.

[RULE 461]

8. A LEAK RATE TEST OF DROP TUBE OVERFILL PREVENTION DEVICE SHALL BE CONDUCTED AS A REVERIFICATION TEST TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN EXHIBIT 5 OF CARB EXECUTIVE ORDER V102-A. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LEAK RATE OF DROP TUBE OVERFILL PREVENTION DEVICE TEST.

[RULE 461]

9. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN EXHIBIT 6 OF CARB EXECUTIVE ORDER V102-A. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LEAK RATE AND CRACKING PRESSURE OF PRESSURE/VACUUM RELIEF VENT VALVES TEST.

[RULE 461]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

10. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1 AND 6. ONLY METHODOLOGY 1 SHALL BE CONDUCTED AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TESTS.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TESTS.

[RULE 461]

11. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.

[RULE 461]

12. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN FORTY-EIGHT (48) HOURS OF TEST.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LIQUID REMOVAL RATE TEST.

[RULE 461]

13. THE TESTING FREQUENCY FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

[RULE 461]

14. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST

[RULE 461]

### **Periodic Monitoring:**

15. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461( d )(5) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT B, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.

[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 461

VOC: RULE 1170

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F19569  
A/N 347623**

#### **Equipment Description:**

STEAM CLEANER (TOURS AREA), ALL-AMERICAN, MODEL NO. 3000G, DIESEL FIRED WITH ONE BURNER, 0.42 MMBTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

#### **Emissions And Requirements:**

3. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. N15981  
A/N 436583**

#### **Equipment Description:**

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. ONE GASOLINE UNDERGROUND STORAGE TANK, 10000 GALLONS CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM OPW (V102-E), 1 METHANOL COMPATIBLE.
2. TWO- GASOLINE NOZZELS DISPENSING 2 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, BALANCE HI HOSE (G-70-52-AM).

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.  
[RULE 461].
4. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.  
[RULE 461]
5. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.  
[RULE 461]
6. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.  
[RULE 461]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. DEPENDING ON THE SYSTEM CONFIGURATION, A PRESSURE INTEGRITY TEST OF THE DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A PRESSURE INTEGRITY TEST OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND SPILL CONTAINER DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A REVERIFICATION TEST AND THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C OR TP-201.1D, RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF EITHER THE PRESSURE INTEGRITY TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY OR PRESSURE INTEGRITY TEST OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND SPILL CONTAINER DRAIN VALVE.  
[RULE 461]

8. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES.  
[RULE 461]

9. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED AS A REVERIFICATION TEST TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

START AND COMPLETION DATES OF THE STATIC TORQUE TEST OF ROTATABLE PHASE I  
ADAPTORS.  
[RULE 461]

10. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE SYSTEM INCLUDING NOZZLE, VAPOR HOSE, SWIVELS, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURES DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES (CFH)	DYNAMIC BACK PRESSURE (INCHES OF WATER)
60	0.35
80	0.62

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 1. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE DYNAMIC BACK PRESSURE TESTS.  
[RULE 461]

11. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE STATIC PRESSURE LEAK DECAY TEST.  
[RULE 461]

12. IF THE CARB EXECUTIVE ORDER REQUIRES THE INSTALLATION OF A LIQUID REMOVAL DEVICE, A LIQUID REMOVAL RATE TEST SHALL BE CONDUCTED TO DEMONSTRATE THE REMOVAL OF GASOLINE FROM THE VAPOR PASSAGE OF THE COAXIAL HOSE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.6. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO TESTING. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE LIQUID REMOVAL RATE TEST.  
[RULE 461]

13. THE TESTING FOR THE ABOVE MENTIONED TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE MOST RECENT RULE 461 AMENDMENT OR CARB EXECUTIVE ORDER REQUIREMENTS, WHICHEVER IS MORE STRINGENT.  
[RULE 461]
14. ALL RECORDS AND TEST RESULTS THAT ARE REQUIRED TO BE MAINTAINED BY RULE 461 SHALL BE KEPT ON SITE AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.  
[RULE 461]
15. THE MAXIMUM QUANTITY OF GASOLINE DISPENSED FROM THE STORAGE TANKS AT THIS FACILITY SHALL NOT EXCEED 21000 GALLONS IN ANY ONE CALENDAR MONTH NOR 252000 GALLONS IN ANY ONE CALENDAR YEAR.  
[RULE 1303 (b)(2), RULE 1401]
16. RECORDS OF MONTHLY AND ANNUAL FUEL DISPENSED SHALL BE PREPARED, SHALL BE RETAINED ON SITE FOR FIVE YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON REQUEST.  
[RULE 1303 (b)(2), RULE 1401]

### **Periodic Monitoring:**

17. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461( d )(5) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT B, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 461  
VOC: RULE 1170

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69297  
A/N 426061**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, VOLVO PENTA, MODEL TAD1631GE, SERIAL NO. 2160035892WA522269-1199, DIESEL FUEL, SIX CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 748 BHP DRIVING AN EMERGENCY STAND-BY GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 30 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F41128  
A/N 379304**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL 4039D, SERIAL NO. CD4039D191094, DIESEL FUEL, 4 CYLINDERS, LEAN BURN, FOUR CYCLE, RATED AT 66 BHP, DRIVING AN EMERGENCY STAND-BY GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F41129  
A/N 379305**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL 4039D, SERIAL NO. CD4039D191090, DIESEL FUEL, 4 CYLINDERS, LEAN BURN, FOUR CYCLE, RATED AT 66 BHP, DRIVING AN EMERGENCY STAND-BY GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69294  
A/N 426062**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL 4039D, SERIAL NO. TO4039D351268, DIESEL FUEL, 4 CYLINDERS, LEAN BURN, FOUR CYCLE, RATED AT 66 BHP, DRIVING AN EMERGENCY STAND-BY GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 04]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1470]

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F68897  
A/N 426064**

#### **Equipment Description:**

LANDFILL GAS COLLECTION AND CONTROL SYSTEM CONSISTING OF:

1. TEN OR LESS GAS COLLECTION WELLS, VERTICAL, 0'-4" DIAMETER EACH (TRAM MAINTENANCE BUILDING).
2. HORIZONTAL SUBSLAB LANDFILL GAS VENT PIPING (TRAM BOARDING BUILDING).
3. MOISTURE SEPARATOR, CAMERON ENVIRONMENTAL, 55 GALLON, WITH HIGH LEVEL SHUTDOWN.
4. BLOWER, HAUCK, MODEL TBA-20-5, DIRECT DRIVE, SERIAL NO. 845768, 5 HP.
5. FOUR (4) ACTIVATED CARBON CANISTERS (A1 THROUGH A4), WESTATES CARBON INC., MODEL VSC- 1200.
6. EXHAUST STACK, 0'-4" DIA. X 12'-0" H., VENTING LFG COLLECTION AND CONTROL SYSTEM.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE LANDFILL GAS COLLECTED BY THE SYSTEM SHALL BE DIRECTED THROUGH AT LEAST TWO CARBON CANISTERS CONNECTED IN SERIES PRIOR TO BEING RELEASED TO THE ATMOSPHERE  
[RULE 1150.1, RULE 1303 (a)(1)-BACT]
4. TOTAL AMOUNT OF LANDFILL GAS COLLECTED AND VENTED, FROM THE VERTICAL GAS WELLS AND A NEW TRAM BOARDING BUILDING, TO THE CARBON CANISTERS SYSTEM SHALL NOT EXCEED 200 SCFM.  
[RULE 1150.1]
5. A FLOW METER AND RECORDER SHALL BE INSTALLED AND MAINTAINED IN OPERATION TO MEASURE AND RECORD THE TOTAL LANDFILL VENT GAS FLOW RATE.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1150.1]

6. AN ACTIVATED CARBON CANISTER (PRIOR TO FINAL CANISTER) SHALL BE REMOVED AND REPLACED WITH A NEW ONE WHENEVER THE REDUCTION IN VOC (ADSORPTION) ACROSS THAT CANISTER IS LESS THAN 90%, UNLESS THE VOC OUTLET CONCENTRATION IS LESS THAN 18 PPMV, DRY BASIS AS HEXANE AT 3% OXYGEN.  
[RULE 1150.1, RULE 1303 (a)(1)-BACT]
7. VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATIONS AT THE INLET, MIDPOINT AND OUTLET OF THE CARBON ADSORBER SHALL BE MONITORED USING A PHOTO IONIZATION DETECTOR (PID) OR ANY APPROVED ORGANIC VAPOR ANALYZER ON A MONTHLY BASIS AND RESULTS SHALL BE RECORDED. CONCURRENT WITH THE OUTLET VOC MEASUREMENT, THE O% SHALL BE MEASURED AND RECORDED.  
[RULE 1150.1, RULE 1303 (a)(1)-BACT]
8. VOC CONCENTRATIONS MEASURED, UNDER CONDITION NO. 7, AT THE OUTLET OF THE CARBON ADSORBER SHALL NOT EXCEED 20 PPMV, AS HEXANE, CORRECTED TO 3% OXYGEN, OR THE TOTAL VOC REMOVAL SHALL BE AT LEAST 98% BY WEIGHT.  
[RULE 1150.1]
9. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS AND SHALL BE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 1150.1]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
GASEOUS EMISSIONS: RULE 1150.1  
VOC: 20 PPMV, RULE 1150.1

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F43473  
A/N 381318**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3056T (100 KW), DIESEL FUEL, 6 CYLINDERS, TURBOCHARGED, RATED AT 166 BHP, DRIVING AN EMERGENCY STAND-BY GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 04]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69307  
A/N 426059**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3054, SERIAL NO. 4ZK04100, DIESEL FUEL 6 CYLINDERS, LEAN BURN, FOUR CYCLE, TURBOCHARGED, RATED AT 128 BHP, DRIVING AN EMERGENCY STAND-BY GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 04]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1470]

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]
9. THE ENGINE TIMING SHALL BE RETARDED 4 DEGREES RELATIVE TO STANDARD ENGINE TIMING.  
[RULE 1303 (a)-BACT]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F52612  
A/N 402127**

#### **Equipment Description:**

ASBESTOS NEGATIVE AIR MACHINE WITH HEPA FILTER, C.R.S.I, MODEL H1990 C/ABATEMENT TECHNOLOGIES, CFM RATE 2 SPEED/650/1650.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS FILING IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. FOR EACH COMMERCIAL ABATEMENT PROJECT, THE NEGATIVE AIR MACHINE(S) EXHAUST SHALL BE LOCATED A MINIMUM OF 3 METERS (10 FEET) FROM THE NEAREST RECEPTOR (ANY LOCATION WHERE THE PUBLIC CAN BE EXPOSED TO ASBESTOS FIBER EMISSIONS) AND SHALL BE LOCATED AT LEAST 10 FEET ABOVE THE GROUND.  
[RULE 1403]
4. FOR EACH COMMERCIAL ABATEMENT PROJECT LOCATED MORE THAN 3 METERS (10 FEET) BUT LESS THAN 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST MORE THAN A COMBINED TOTAL OF 4.8 MILLION CUBIC FEET OF AIR (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL).  
[RULE 1403]
5. FOR EACH COMMERCIAL ABATEMENT PROJECT LOCATED GREATER THAN OR EQUAL TO 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST AIR IN WHICH THE COMBINED TOTAL AIR VOLUME (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL) WILL EXCEED THE AMOUNT SPECIFIED ON TABLE I.  
[RULE 1403]

**TABLE 1**

## FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC

DISTANCE (METERS) TO RESIDENTIAL	DISTANCE (FEET) TO RESIDENTIAL	AIR VOLUME (MILLION CUBIC FEET)
30 to < 35	98 to < 115	7.7
35 to < 40	115 to < 131	9.9
40 to < 45	131 to < 148	13.8
45 to < 50	148 to < 164	18.8
50 to < 55	164 to < 180	24.1
55 to < 60	180 to < 197	32.1
60 to < 65	197 to < 213	40.8
65 to < 70	213 to < 230	51.0
70 to < 75	230 to < 246	62.8
75 to < 80	246 to < 262	76.5
80 to < 85	262 to < 279	92.2
85 to < 90	279 to < 295	110.0
90 to < 95	295 to < 312	130.0
95 to < 100	312 to < 328	153.0
100 to < 105	328 to < 344	179.0
105 to < 110	344 to < 361	217.0
110 to < 115	361 to < 377	250.0
115 to < 120	377 to < 394	286.0
120 to < 125	394 to < 410	325.0
125 to < 130	410 to < 427	368.0
130 to < 135	427 to < 443	415.0
135 to < 140	443 to < 459	465.0
140 and greater	459 and greater	520.0

6. FOR EACH ABATEMENT PROJECT, THE EXHAUST OF EACH NEGATIVE AIR MACHINE SHALL BE ANALYZED BY THE PHASE CONTRAST MICROSCOPY (PCM) METHOD DURING THE FIRST DAY OF ACTUAL ASBESTOS REMOVAL AND AFTER EACH HEPA FILTER REPLACEMENT. IF THIS NEGATIVE AIR MACHINE IS ADDED OR REPLACED DURING A SPECIFIC PROJECT, THE EXHAUST OF THIS ADDITION OR REPLACEMENT SHALL BE ANALYZED BY THE PCM METHOD DURING THE FIRST DAY OF ITS USE DURING ACTUAL ASBESTOS REMOVAL. EXHAUST SAMPLES TO BE ANALYZED SHALL ONLY BE TAKEN DURING ACTUAL ASBESTOS REMOVAL. DURING EACH LONG TERM ABATEMENT PROJECT (GREATER THAN 15 CALENDAR DAYS), THE EXHAUST OF EACH NEGATIVE AIR MACHINE SHALL BE ANALYZED AT LEAST EVERY 15 CALENDAR DAYS.  
[RULE 1403]
7. THE EXHAUST CONCENTRATION OF ASBESTOS FROM THE NEGATIVE AIR MACHINE SHALL NOT EXCEED 0.01 FIBER PER CUBIC CENTIMETER.  
[RULE 1403]
8. THE NEGATIVE AIR MACHINE SHALL BE TESTED FOR LEAKAGE AFTER EACH HEPA FILTER CHANGE AND PRIOR TO COMMENCEMENT OF ANY ABATEMENT PROJECT.  
[RULE 1403]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

9. A PRESSURE GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DIFFERENTIAL ACROSS THE HEPA FILTER. THE PRESSURE DIFFERENTIAL ACROSS THE FILTER SHALL BE RECORDED AT THE BEGINNING OF EACH DAY OF USE AND IMMEDIATELY AFTER ANY FILTER CHANGE. THE PRESSURE DIFFERENTIAL SHALL BE CHECKED PERIODICALLY AND THE PRESSURE DIFFERENTIAL SHALL NOT BE LESS THAN THE INITIAL READING (READING AT THE BEGINNING OF EACH DAY OF USE OR READING AFTER ANY FILTER CHANGE). IN THE EVENT THAT THE PRESSURE DIFFERENTIAL IS LESS THAN THE INITIAL READING, THE NEGATIVE AIR MACHINE SHALL BE TURNED-OFF AND SHALL BE CHECKED FOR LEAKAGE AND RUPTURE OF THE HEPA FILTER.  
[RULE 1403]
10. A MECHANICAL GAUGE SHALL BE INSTALLED SO AS TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DIFFERENTIAL BETWEEN THE CONTAINMENT AND THE OUTSIDE. THE MECHANICAL GAUGE SHALL BE LOCATED IN A MANNER THAT WILL ALLOW AN OBSERVER TO EASILY MONITOR THE DIFFERENTIAL PRESSURE FROM OUTSIDE OF THE CONTAINMENT.  
[RULE 1403]
11. THE MINIMUM PRESSURE DIFFERENTIAL BETWEEN THE CONTAINMENT AND THE OUTSIDE SHALL BE 0.02 INCH OF WATER GAUGE TO PREVENT ASBESTOS FIBERS FROM ESCAPING THE CONTAINMENT BARRIERS AND TO ENSURE THAT THE NEGATIVE AIR MACHINE AIRFLOW IS ADEQUATE.  
[RULE 1403]
12. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS NEGATIVE AIR MACHINE TO VERIFY:
  - 1). THE NUMBER OF WORKING HOURS PER DAY INVOLVING ASBESTOS REMOVAL, AND
  - 2). THE EXHAUST CONCENTRATION, INCLUDING THE TIME AND DATE OF EACH SAMPLING, AND
  - 3). THE PRESSURE GAUGE READING AT THE BEGINNING OF EACH DAY OF USE AND AFTER EACH CHANGE OF HEPA FILTER, INCLUDING THE TIME AND DATE OF THE READING, AND
  - 4). THE DATE AND TIME OF EACH HEPA FILTER REPLACEMENT, AND
  - 5). THE DATE AND TIME OF EACH MACHINE ADDITION/REPLACEMENT.SUCH RECORDS SHALL BE:
  1. RETAINED FOR A PERIOD OF TWO YEARS, AND
  2. MADE AVAILABLE UPON REQUEST BY THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.[RULE 1403]
13. THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE SHALL BE NOTIFIED AND A WRITTEN APPROVAL SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY ABATEMENT PROJECT:

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

- 1). THE VOLUME OF WHICH WILL EXCEED THE TOTAL MACHINE(S) EXHAUST VOLUME SPECIFIED IN CONDITIONS 4, OR 5; OR
- 2). LOCATED WITHIN 1,000 FEET FROM THE OUTER BOUNDARY OF A SCHOOL.  
[RULE 1403]

### **Emissions And Requirements:**

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

ASBESTOS: RULE 1403

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F52613  
A/N 402128**

#### **Equipment Description:**

ASBESTOS NEGATIVE AIR MACHINE WITH HEPA FILTER, C.R.S.I, MODEL H1990 C/ABATEMENT TECHNOLOGIES, CFM RATE 2 SPEED/650/1650.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS FILING IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. FOR EACH COMMERCIAL ABATEMENT PROJECT, THE NEGATIVE AIR MACHINE(S) EXHAUST SHALL BE LOCATED A MINIMUM OF 3 METERS (10 FEET) FROM THE NEAREST RECEPTOR (ANY LOCATION WHERE THE PUBLIC CAN BE EXPOSED TO ASBESTOS FIBER EMISSIONS) AND SHALL BE LOCATED AT LEAST 10 FEET ABOVE THE GROUND.  
[RULE 1403]
4. FOR EACH COMMERCIAL ABATEMENT PROJECT LOCATED MORE THAN 3 METERS (10 FEET) BUT LESS THAN 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST MORE THAN A COMBINED TOTAL OF 4.8 MILLION CUBIC FEET OF AIR (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL).  
[RULE 1403]
5. FOR EACH COMMERCIAL ABATEMENT PROJECT LOCATED GREATER THAN OR EQUAL TO 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST AIR IN WHICH THE COMBINED TOTAL AIR VOLUME (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL) WILL EXCEED THE AMOUNT SPECIFIED ON TABLE 1.  
[RULE 1403]

## FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC

**TABLE 1**

<b>DISTANCE (METERS) TO RESIDENTIAL</b>	<b>DISTANCE (FEET) TO RESIDENTIAL</b>	<b>AIR VOLUME (MILLION CUBIC FEET)</b>
30 to < 35	98 to < 115	7.7
35 to < 40	115 to < 131	9.9
40 to < 45	131 to < 148	13.8
45 to < 50	148 to < 164	18.8
50 to < 55	164 to < 180	24.1
55 to < 60	180 to < 197	32.1
60 to < 65	197 to < 213	40.8
65 to < 70	213 to < 230	51.0
70 to < 75	230 to < 246	62.8
75 to < 80	246 to < 262	76.5
80 to < 85	262 to < 279	92.2
85 to < 90	279 to < 295	110.0
90 to < 95	295 to < 312	130.0
95 to < 100	312 to < 328	153.0
100 to < 105	328 to < 344	179.0
105 to < 110	344 to < 361	217.0
110 to < 115	361 to < 377	250.0
115 to < 120	377 to < 394	286.0
120 to < 125	394 to < 410	325.0
125 to < 130	410 to < 427	368.0
130 to < 135	427 to < 443	415.0
135 to < 140	443 to < 459	465.0
140 and greater	459 and greater	520.0

6. FOR EACH ABATEMENT PROJECT, THE EXHAUST OF EACH NEGATIVE AIR MACHINE SHALL BE ANALYZED BY THE PHASE CONTRAST MICROSCOPY (PCM) METHOD DURING THE FIRST DAY OF ACTUAL ASBESTOS REMOVAL AND AFTER EACH HEPA FILTER REPLACEMENT. IF THIS NEGATIVE AIR MACHINE IS ADDED OR REPLACED DURING A SPECIFIC PROJECT, THE EXHAUST OF THIS ADDITION OR REPLACEMENT SHALL BE ANALYZED BY THE PCM METHOD DURING THE FIRST DAY OF ITS USE DURING ACTUAL ASBESTOS REMOVAL. EXHAUST SAMPLES TO BE ANALYZED SHALL ONLY BE TAKEN DURING ACTUAL ASBESTOS REMOVAL. DURING EACH LONG TERM ABATEMENT PROJECT (GREATER THAN 15 CALENDAR DAYS), THE EXHAUST OF EACH NEGATIVE AIR MACHINE SHALL BE ANALYZED AT LEAST EVERY 15 CALENDAR DAYS.  
[RULE 1403]
7. THE EXHAUST CONCENTRATION OF ASBESTOS FROM THE NEGATIVE AIR MACHINE SHALL NOT EXCEED 0.01 FIBER PER CUBIC CENTIMETER.  
[RULE 1403]



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

8. THE NEGATIVE AIR MACHINE SHALL BE TESTED FOR LEAKAGE AFTER EACH HEPA FILTER CHANGE AND PRIOR TO COMMENCEMENT OF ANY ABATEMENT PROJECT.  
[RULE 1403]
9. A PRESSURE GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DIFFERENTIAL ACROSS THE HEPA FILTER. THE PRESSURE DIFFERENTIAL ACROSS THE FILTER SHALL BE RECORDED AT THE BEGINNING OF EACH DAY OF USE AND IMMEDIATELY AFTER ANY FILTER CHANGE. THE PRESSURE DIFFERENTIAL SHALL BE CHECKED PERIODICALLY AND THE PRESSURE DIFFERENTIAL SHALL NOT BE LESS THAN THE INITIAL READING (READING AT THE BEGINNING OF EACH DAY OF USE OR READING AFTER ANY FILTER CHANGE). IN THE EVENT THAT THE PRESSURE DIFFERENTIAL IS LESS THAN THE INITIAL READING, THE NEGATIVE AIR MACHINE SHALL BE TURNED-OFF AND SHALL BE CHECKED FOR LEAKAGE AND RUPTURE OF THE HEPA FILTER.  
[RULE 1403]
10. A MECHANICAL GAUGE SHALL BE INSTALLED SO AS TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DIFFERENTIAL BETWEEN THE CONTAINMENT AND THE OUTSIDE. THE MECHANICAL GAUGE SHALL BE LOCATED IN A MANNER THAT WILL ALLOW AN OBSERVER TO EASILY MONITOR THE DIFFERENTIAL PRESSURE FROM OUTSIDE OF THE CONTAINMENT.  
[RULE 1403]
11. THE MINIMUM PRESSURE DIFFERENTIAL BETWEEN THE CONTAINMENT AND THE OUTSIDE SHALL BE 0.02 INCH OF WATER GAUGE TO PREVENT ASBESTOS FIBERS FROM ESCAPING THE CONTAINMENT BARRIERS AND TO ENSURE THAT THE NEGATIVE AIR MACHINE AIRFLOW IS ADEQUATE.  
[RULE 1403]
12. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS NEGATIVE AIR MACHINE TO VERIFY:
  - 1). THE NUMBER OF WORKING HOURS PER DAY INVOLVING ASBESTOS REMOVAL, AND
  - 2). THE EXHAUST CONCENTRATION, INCLUDING THE TIME AND DATE OF EACH SAMPLING, AND
  - 3). THE PRESSURE GAUGE READING AT THE BEGINNING OF EACH DAY OF USE AND AFTER EACH CHANGE OF HEPA FILTER, INCLUDING THE TIME AND DATE OF THE READING, AND
  - 4). THE DATE AND TIME OF EACH HEPA FILTER REPLACEMENT, AND
  - 5). THE DATE AND TIME OF EACH MACHINE ADDITION/REPLACEMENT.SUCH RECORDS SHALL BE:
  1. RETAINED FOR A PERIOD OF TWO YEARS, AND
  2. MADE AVAILABLE UPON REQUEST BY THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1403]

13. THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE SHALL BE NOTIFIED AND A WRITTEN APPROVAL SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY ABATEMENT PROJECT:
    - 1). THE VOLUME OF WHICH WILL EXCEED THE TOTAL MACHINE(S) EXHAUST VOLUME SPECIFIED IN CONDITIONS 4, OR 5; OR
    - 2). LOCATED WITHIN 1,000 FEET FROM THE OUTER BOUNDARY OF A SCHOOL.
- [RULE 1403]

### **Emissions And Requirements:**

14. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

ASBESTOS: RULE 1403

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F46186  
A/N 392662**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, JOHN DEERE, MODEL 6068T, DIESEL FUEL, SIX CYLINDERS, TURBOCHARGED, RATED AT 166 B.H.P DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.  
[RULE 1470]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48762  
A/N 396510**

#### **Equipment Description:**

BOILER NO. 3, CONTINENTAL PACKAGE SCOTCH TYPE, MODEL NO. F8B125LS, WITH AN INDUSTRIAL COMBUSTION, MODEL ICLND-63P, 5,200,000 BTU PER HOUR, NATURAL GAS OR OIL FIRED BURNER, WITH A FULLY-MODULATING INDUCED FLUE GAS RECIRCULATION AND AN AUTOMATIC AIFUEL-FLUE GAS CONTROL SYSTEM

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS BOILER SHALL BE OPERATED IN COMPLIANCE WITH RULE 1146.  
[RULE 1146]
4. THE BURNER AND ITS ASSOCIATED AIFUEL-FLUE GAS RECIRCULATION SYSTEM SHALL BE ADJUSTED AT LEAST ONCE A YEAR IN THE FOLLOWING MANNER:
  - A. ACCORDING TO THE MANUFACTURER'S SPECIFICATION TO ENSURE COMPLIANCE WITH CONDITION THREE.
  - B. THE ADJUSTMENT SHALL INCLUDE, AT A MINIMUM, MEASUREMENTS OF EXHAUST CO, NOX AND O2 CONCENTRATIONS BY USING A PORTABLE CHEMICAL CELL TYPE OR EQUIVALENT ANALYZER.
  - C. WRITTEN RECORDS OF THE MEASUREMENTS SHALL BE KEPT AT LEAST TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1146]
5. THE FLUE GAS RECIRCULATION SYSTEM SHALL BE IN FULL USE WHENEVER THE BOILER IS IN OPERATION.  
[RULE 1146]
6. THIS EQUIPMENT SHALL USE NATURAL GAS ONLY AS A FUEL.  
[RULE 1146]
7. THE FUEL OIL SUPPLY LINE TO THE BURNER SHALL BE DISCONNECTED AND RENDER IN OPERATIVE.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1146]

### **Periodic Monitoring:**

8. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE NOX EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 7.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]
  
9. THE OPERATOR SHALL DETERMINE COMPLIANCE WITH THE CO EMISSION LIMIT(S) EITHER BY: (a) CONDUCTING A SOURCE TEST AT LEAST ONCE EVERY YEAR USING AQMD METHOD 100.1 OR 10.1; OR (b) CONDUCTING A TEST AT LEAST ANNUALLY USING A PORTABLE ANALYZER AND AQMD-APPROVED TEST METHOD. THE TEST SHALL BE CONDUCTED WHEN THE EQUIPMENT IS OPERATING UNDER NORMAL CONDITIONS TO DEMONSTRATE COMPLIANCE WITH RULE 1146 CONCENTRATION LIMIT. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

10. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409  
CO: 400 PPMV, RULE 1146  
NOX: 30 PPMV, RULE 1146 NATURAL GAS (SIP APPROVED 11/17/2000)

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48207  
A/N 393684**

#### **Equipment Description:**

UNCONFINED PORTABLE ABRASIVE BLASTING SYSTEM CONSISTING OF:

1. ABRASIVE BLASTING POT, EMPIRE ABRASIVE EQUIPMENT CO, MODEL BNVP-300.
2. COMPRESSOR, ELECTRIC, 60 H.P.
3. ONE ABRASIVE BLASTING NOZZLE, WITH A MAXIMUM INTERNAL DIAMETER OF 1/4 INCH AT A MAXIMUM DELIVERY PRESSURE OF 150 PSIA.

#### **Conditions:**

- 1 OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2 THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3 THIS EQUIPMENT SHALL COMPLY WITH RULE 1140.  
[RULE 1140]

#### **Periodic Monitoring:**

4. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL EITHER:
  - A. VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST;
  - B. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR

- C. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION," WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

- A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
  - D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004 (a)(4)]
5. MAINTAIN DAILY RECORDS OF ABRASIVE USED AND EVIDENCE OF ARB CERTIFICATION.  
[RULE 3004 (a)(4)]
6. MAINTAIN RECORDS TO DEMONSTRATE THAT REUSED ABRASIVE ARE TESTED WITH CARB METHOD 371-A.  
[RULE 3004 (a)(4)]
7. MAINTAIN DAILY RECORDS OF DESCRIPTION OF ITEMS BLASTED TO DEMONSTRATE COMPLIANCE.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F52607  
A/N 402105**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, MODEL 3056T (80 KW), DIESEL FUEL, TURBOCHARGED, RATED AT 128 B.H.P DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 20 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 20 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1470]

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48611  
A/N 396217**

#### **Equipment Description:**

FILM CLEANING MACHINE, LIPSNER SMITH, MODEL EXCEL 1100, SERIAL NO. 20129, 2'-6" W X 0'-7" L X 4'-3" H.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL USE AND HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.  
[RULE 1303 (a)-BACT]
4. THIS EQUIPMENT SHALL ONLY USE HYDROTREATED NAPHTHA AS THE CLEANING SOLVENT.  
[RULE 1303 (a)-BACT]
5. THE MAXIMUM AMOUNT OF CLEANING SOLVENT USED IN THIS EQUIPMENT SHALL NOT EXCEED 30 GALLONS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)]
6. MATERIAL SAFETY DATA SHEETS FOR THE CLEANING SOLVENT SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (a)-BACT]
7. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITION NO. 4 AND 5, THE RECORDS SHALL BE KEPT FOR AT LEAST TWO YEARS AND SHALL BE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F48612  
A/N 396218**

#### **Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. CARBON ADSORBERS, TWO IN SERIES, US FILTER/WESTATES, MODEL VSC-1000, EACH 4'-0" DIA. X 4'-8" H, WITH 1000 POUNDS OF ACTIVATED CARBON
2. EXHAUST SYSTEM WITH ONE 5 HP BLOWER, 210 MAX CFM, VENTING ONE FILM CLEANING MACHINE

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. A FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT THE INLET STREAM TO THE VAPOR CONTROL SYSTEM TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM). THE TOTAL FLOW RATE SHALL NOT EXCEED 210 SCFM. IN CASE A PRESSURE SENSOR DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE CORRESPONDING FLOW RATE, IN CFM, TO THE PRESSURE READING.  
[RULE, 1303 (a)-BACT]
4. VOLATILE ORGANIC COMPOUND (VOC) CONCENTRATION SHALL BE MEASURED AT THE OUTLET OF THE PRIMARY CARBON ADSORBER AND SECONDARY ADSORBER AT LEAST ONCE A MONTH, BY USING A FLAME IONIZATION DETECTOR OR A DISTRICT APPROVED ORGANIC VAPOR ANALYZER (OVA) CALIBRATED IN PARTS PER MILLION BY VOLUME (PPMV) OF HEXANE (IF OTHER CALIBRATING AGENT IS USED, IT SHALL BE CORRELATED TO AND EXPRESSED AS HEXANE). IN LIEU OF USING A VAPOR ANALYZER, GRAB SAMPLES MAY BE TAKEN AT THE OUTLET OF THE PRIMARY CARBON ADSORBER. THE RESULTS OF THE GRAB SAMPLE ANALYSIS SHALL BE COMPLETED BEFORE THE NEXT SCHEDULED MONITORING OF THE CARBON ADSORBER.  
[RULE 1303 (a)-BACT]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

5. THE VOC OUTLET CONCENTRATION AT THE SECONDARY CARBON ADSORBER SHALL NOT EXCEED 52 PPMV AS HEXANE.  
[RULE 1303 (a)-BACT]
6. WHENEVER THE VOC CONCENTRATION AT THE OUTLET OF THE PRIMARY CARBON ADSORBER EXCEEDS THE LEVEL IN CONDITION 5, THE ADSORBERS SHALL BE REPLACED AS FOLLOWS:
  - A. PRIMARY ADSORBER SHALL BE REPLACED WITH EITHER FRESH ADSORBENT. OR THE SECONDARY ADSORBER WILL REPLACE THE PRIMARY ADSORBER, AND
  - B. SECONDARY ADSORBER REPLACED WITH FRESH ADSORBENT.  
[RULE 1303 (a)-BACT]
7. THE ACTIVATED CARBON USED IN THE PRIMARY AND SECONDARY ADSORBER SHALL HAVE A CTC NO. NOT LESS THAN 60% AS MEASURED BY ASTM METHOD D3467.  
[RULE 1303 (a)-BACT]
8. SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN CLOSED CONTAINERS PRIOR TO DISPOSAL.  
[RULE 1303 (a)-BACT]
9. RECORDS SHALL BE MAINTAINED TO PROVE COMPLIANCE WITH CONDITIONS NO. 4,5, AND 6. THE RECORDS SHALL BE KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (a)-BACT]

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69293  
A/N 426053**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, VOLVO PENTA, MODEL TAD120GE, DIESEL FUEL, FOUR CYCLE, SIX CYLINDERS, TURBOCHARGED AND AFTERCOOLED RATED AT 449 B.H.P DRIVING AN EMERGENCY ELECTRICAL GENERATOR

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1470]

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F74244  
A/N 438542**

#### **Equipment Description:**

PRESSURE WASHER, HOTSY CORPORATION, MODEL NO. 505C, SERIAL NO. C74783, DIESEL FUEL, RATED AT 197,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS ]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 510 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS]
5. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F69291  
A/N 426055**

#### **Equipment Description:**

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, MODEL R123-7K36, DIESEL FUEL, TURBOCHARGED AND AFTERCOOLED, RATED AT 1120 B.H.P, DRIVING AN EMERGENCY ELECTRICAL STAND-BY GENERATOR

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
4. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING PURPOSES.  
[RULE 1304 (a) RULE 1110.2, RULE 1470]
5. THE OPERATION OF THE ENGINE BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE ELECTRICAL GRID OPERATOR OR ELECTRIC UTILITY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE SUCH AN ORDER AT A CERTAIN TIME, AND THE ENGINE IS LOCATED IN A UTILITY SERVICE BLOCK THAT IS SUBJECT TO THE ROTATING OUTAGE. ENGINE OPERATION SHALL BE TERMINATED IMMEDIATELY AFTER THE UTILITY DISTRIBUTION COMPANY ADVISES THAT A ROTATING OUTAGE IS NO LONGER IMMINENT OR IN EFFECT.  
[RULE 1304 (a), RULE 1470]
6. THIS ENGINE SHALL NOT BE USED AS PART OF A DEMAND RESPONSE PROGRAM USING INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ITS ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO SO BY THE UTILITY OR THE GRID OPERATOR.

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

[RULE 1470]

7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
  - A. EMERGENCY USE HOURS OF OPERATION
  - B. MAINTENANCE AND TESTING HOURS
  - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)IN ADDITION, EACH TIME THE ENGINE IS STARTED MANUALLY, THE LOG SHALL INCLUDE THE DATE OF OPERATION AND THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION THE LOG SHALL BE KEPT FOR A MINIMUM OF THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.  
[RULE 1304 (a), RULE 1110.2, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.  
[RULE 431.2, RULE 1470]

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F84370  
A/N 453517**

#### **Equipment Description:**

PRESSURE WASHER, LANDA, MODEL NO.MVC4-3500E, SERIAL NO. 1, DIESEL FIRED FUEL, RATED AT 336,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 270 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE DAY.  
[RULE 1303 (a)]
6. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F84372  
A/N 453518**

#### **Equipment Description:**

PRESSURE WASHER, LANDA, MODEL NO.MVC4-3500E, SERIAL NO. 2, DIESEL FIRED FUEL, RATED AT 336,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 270 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE DAY.  
[RULE 1303 (a)]
6. RECORDS SHALL BE MAINTAINED WHENEVER THIS EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F84379  
A/N 453519**

#### **Equipment Description:**

PRESSURE WASHER, LANDA, MODEL NO.MVC4-3500E, SERIAL NO. 3, DIESEL FIRED FUEL, RATED AT 336,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 270 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE DAY.  
[RULE 1303 (a)]
6. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F74347  
A/N 438540**

#### **Equipment Description:**

PRESSURE WASHER, LANDA, MODEL NO.PGHW5-3000E, SERIAL NO. P0604-83535, DIESEL FIRED FUEL, RATED AT 469,754 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 210 HOURS IN ANY ONE CALENDAR MONTH  
[RULE 1303 (b)(2)-OFFSETS]
5. RECORDS SHALL BE MAINTAINED WHENEVER THIS EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS]

#### **Emissions And Requirements:**

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F84369  
A/N 456387**

#### **Equipment Description:**

PRESSURE WASHER, LANDA, MODEL NO. MHP4-35224E, DIESEL FIRED FUEL, RATED AT 330,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 300 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 20 HOURS IN ANY ONE DAY.  
[RULE 1303 (a)]
6. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F95054  
A/N 474757**

#### **Equipment Description:**

PRESSURE WASHER, WAYNE COMBUSTION, MODEL NO.EHA, DIESEL FIRED FUEL, RATED AT 454,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 210 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 14 HOURS IN ANY ONE DAY.  
[RULE 1303 (a)]
6. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR AND FIVE. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409



## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **PERMIT TO OPERATE**

**Permit No. F  
A/N 476431**

#### **Equipment Description:**

PRESSURE WASHER, ALLIED MANUFACTURING, MODEL NO. E3000-5GT, DIESEL FIRED FUEL, RATED AT 454,000 BTU PER HOUR.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1303 (b)(2)-OFFSETS]
4. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 210 HOURS IN ANY ONE CALENDAR MONTH.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1401]
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 14 HOURS IN ANY ONE DAY.  
[RULE 1303 (a)]
6. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FOUR AND FIVE. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303 (b)(2)-OFFSETS, RULE 1303 (a)-BACT]

#### **Emissions And Requirements:**

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
CO: 2000 PPMV, RULE 407  
SOX: 500 PPMV, RULE 407  
PM: 0.1 GR/SCF, RULE 409

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

#### **Periodic Monitoring:**

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN RECORDS OF ALL COATINGS THAT ARE NOT CLEARLY LABELED AS COMPLYING WITH SCAQMD RULE 1113. COMPLIANCE IN THESE CASES SHALL BE DETERMINED BY MAINTAINING RECORDS OF MANUFACTURERS CERTIFICATIONS OR BY MATERIAL SAFETY DATA SHEETS (MSDS) THAT DEMONSTRATE COMPLIANCE WITH THE VOC LIMITS OF THE TYPE OF COATING USED IN RULE 1113. PERIODIC INSPECTIONS OF ALL ARCHITECTURAL COATING OPERATIONS SHALL BE CONDUCTED AND DOCUMENTED TO INSURE COMPLIANCE WITH THE PROVISIONS OF THIS RULE.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 3004 (a) (4)]

#### **Emissions And Requirements:**

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE UNIVERSAL CITY STUDIOS, LLC**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT < 2 MMBTU/HR.

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 0.1 gr/scf, RULE 409  
NOx: 30 PPMV, RULE 1146.2  
CO: 400 PPMV, RULE 1146.2  
CO: 2000 PPMV, RULE 407

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < 53 FT<sup>3</sup>, WITH DUST FILTER.

#### **Periodic Monitoring:**

1. THE OPERATOR SHALL PERFORM AN ANNUAL INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.[RULE 3004 (a)(4)]
2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.  
[RULE 3004 (a)(4)]
3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.  
THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.[RULE 3004 (a)(4)]

#### **Emissions And Requirements:**

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1130.1, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1168, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1145, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1151, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1106.1, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 109

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND RESIN LAY UP

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS



## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL UNHEATED, NON-CONVEYORIZED

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 1122

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS

#### **Emissions And Requirements:**

- I. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT:	RULE 1415
REFRIGERANT:	40CFR 82 SUBART F

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

REFRIGERANT:	RULE 1415
REFRIGERANT:	40CFR 82 SUBART F

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

HALON:           RULE 1418

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EQUIPMENT, ASBESTOS NEGATIVE AIR MACHINE WITH HEPA FILTER, < 15 GALLONS.

#### **Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS FILING IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. FOR EACH RESIDENTIAL ABATEMENT PROJECT, THE NEGATIVE AIR MACHINE(S) EXHAUST SHALL BE LOCATED A MINIMUM OF 3 METERS (10 FEET) FROM THE NEAREST RECEPTOR (ANY LOCATION WHERE THE PUBLIC CAN BE EXPOSED TO ASBESTOS FIBER EMISSIONS) AND SHALL BE LOCATED AT LEAST 4 FEET ABOVE THE GROUND.  
[RULE 1403]
4. FOR EACH RESIDENTIAL ABATEMENT PROJECT, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST MORE THAN A COMBINED TOTAL OF 4.8 MILLION CUBIC FEET OF AIR (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL).  
[RULE 1403]
5. FOR EACH COMMERCIAL ABATEMENT PROJECT, THE NEGATIVE AIR MACHINE(S) EXHAUST SHALL BE LOCATED A MINIMUM OF 3 METERS (10 FEET) FROM THE NEAREST RECEPTOR (ANY LOCATION WHERE THE PUBLIC CAN BE EXPOSED TO ASBESTOS FIBER EMISSIONS) AND SHALL BE LOCATED AT LEAST 10 FEET ABOVE THE GROUND.  
[RULE 1403]
6. FOR EACH COMMERCIAL ABATEMENT PROJECT LOCATED MORE THAN 3 METERS (10 FEET) BUT LESS THAN 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST MORE THAN A COMBINED TOTAL OF 4.8 MILLION CUBIC FEET OF AIR (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL).  
[RULE 1403]

## FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS

7. FOR EACH COMMERCIAL ABATEMENT PROJECT LOCATED GREATER THAN OR EQUAL TO 30 METERS (98 FEET) FROM ANY RESIDENTIAL ZONING, THE NEGATIVE AIR MACHINE(S) SHALL NOT EXHAUST AIR IN WHICH THE COMBINED TOTAL AIR VOLUME (THE TOTAL RATED AIR FLOW OF ALL MACHINE(S) IN CUBIC FEET PER MINUTE MULTIPLIED BY THE TOTAL NUMBER OF WORKING HOURS INVOLVING ASBESTOS REMOVAL) WILL EXCEED THE AMOUNT SPECIFIED ON TABLE 1.  
[RULE 1403]

**TABLE 1**

<b>DISTANCE (METERS) . TO RESIDENTIAL</b>	<b>DISTANCE (FEET) TO RESIDENTIAL</b>	<b>AIR VOLUME (MILLION CUBIC FEET)</b>
30 to < 35	98 to < 115	7.7
35 to < 40	115 to < 131	9.9
40 to < 45	131 to < 148	13.8
45 to < 50	148 to < 164	18.8
50 to < 55	164 to < 180	24.1
55 to < 60	180 to < 197	32.1
60 to < 65	197 to < 213	40.8
65 to < 70	213 to < 230	51.0
70 to < 75	230 to < 246	62.8
75 to < 80	246 to < 262	76.5
80 to < 85	262 to < 279	92.2
85 to < 90	279 to < 295	110.0
90 to < 95	295 to < 312	130.0
95 to < 100	312 to < 328	153.0
100 to < 105	328 to < 344	179.0
105 to < 110	344 to < 361	217.0
110 to < 115	361 to < 377	250.0
115 to < 120	377 to < 394	286.0
120 to < 125	394 to < 410	325
125 to < 130	410 to < 427	368.0
130 to < 135	427 to < 443	415.0
135 to < 140	443 to < 459	465.0
140 and greater	459 and greater	520.0

8. FOR EACH ABATEMENT PROJECT, THE EXHAUST OF EACH NEGATIVE AIR MACHINE SHALL BE ANALYZED BY THE PHASE CONTRAST MICROSCOPY (PCM) METHOD DURING THE FIRST DAY OF ACTUAL ASBESTOS REMOVAL AND AFTER EACH HEPA FILTER REPLACEMENT. IF THIS NEGATIVE AIR MACHINE IS ADDED OR REPLACED DURING A SPECIFIC PROJECT, THE EXHAUST OF THIS ADDITION OR REPLACEMENT SHALL BE ANALYZED BY THE PCM METHOD DURING THE FIRST DAY OF ITS USE DURING ACTUAL ASBESTOS REMOVAL. EXHAUST SAMPLES TO BE ANALYZED SHALL ONLY BE TAKEN DURING ACTUAL ASBESTOS REMOVAL.

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

DURING EACH LONG TERM ABATEMENT PROJECT (GREATER THAN 15 CALENDAR DAYS), THE EXHAUST OF EACH NEGATIVE AIR MACHINE SHALL BE ANALYZED AT LEAST EVERY 15 CALENDAR DAYS.

[RULE 1403]

9. THE EXHAUST CONCENTRATION OF ASBESTOS FROM THE NEGATIVE AIR MACHINE SHALL NOT EXCEED 0.01 FIBER PER CUBIC CENTIMETER.  
[RULE 1403]
10. THE NEGATIVE AIR MACHINE SHALL BE TESTED FOR LEAKAGE AFTER EACH HEPA FILTER CHANGE AND PRIOR TO COMMENCEMENT OF ANY ABATEMENT PROJECT.  
[RULE 1403]
11. A PRESSURE GAUGE SHALL BE MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DIFFERENTIAL ACROSS THE HEPA FILTER. THE PRESSURE DIFFERENTIAL ACROSS THE FILTER SHALL BE RECORDED AT THE BEGINNING OF EACH DAY OF USE AND IMMEDIATELY AFTER ANY FILTER CHANGE. THE PRESSURE DIFFERENTIAL SHALL BE CHECKED PERIODICALLY AND THE PRESSURE DIFFERENTIAL SHALL NOT BE LESS THAN THE INITIAL READING (READING AT THE BEGINNING OF EACH DAY OF USE OR READING AFTER ANY FILTER CHANGE). IN THE EVENT THAT THE PRESSURE DIFFERENTIAL IS LESS THAN THE INITIAL READING, THE NEGATIVE AIR MACHINE SHALL BE TURNED-OFF AND SHALL BE CHECKED FOR LEAKAGE AND RUPTURE OF THE HEPA FILTER.  
[RULE 1403]
12. A MECHANICAL GAUGE SHALL BE INSTALLED SO AS TO INDICATE, IN INCHES OF WATER COLUMN, THE PRESSURE DIFFERENTIAL BETWEEN THE CONTAINMENT AND THE OUTSIDE. THE MECHANICAL GAUGE SHALL BE LOCATED IN A MANNER THAT WILL ALLOW AN OBSERVER TO EASILY MONITOR THE DIFFERENTIAL PRESSURE FROM OUTSIDE OF THE CONTAINMENT.  
[RULE 1403]
13. THE MINIMUM PRESSURE DIFFERENTIAL BETWEEN THE CONTAINMENT AND THE OUTSIDE SHALL BE 0.02 INCH OF WATER GAUGE TO PREVENT ASBESTOS FIBERS FROM ESCAPING THE CONTAINMENT BARRIERS AND TO ENSURE THAT THE NEGATIVE AIR MACHINE AIRFLOW IS ADEQUATE.  
[RULE 1403]
14. THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS NEGATIVE AIR MACHINE TO VERIFY:
  - 1). THE NUMBER OF WORKING HOURS PER DAY INVOLVING ASBESTOS REMOVAL, AND
  - 2). THE EXHAUST CONCENTRATION, INCLUDING THE TIME AND DATE OF EACH SAMPLING, AND
  - 3). THE PRESSURE GAUGE READING AT THE BEGINNING OF EACH DAY OF USE AND AFTER EACH CHANGE OF HEPA FILTER, INCLUDING THE TIME AND DATE OF THE READING, AND
  - 4). THE DATE AND TIME OF EACH HEPA FILTER REPLACEMENT, AND

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

- 5). THE DATE AND TIME OF EACH MACHINE ADDITION/REPLACEMENT.

SUCH RECORDS SHALL BE:

1. RETAINED FOR A PERIOD OF TWO YEARS, AND
2. MADE AVAILABLE UPON REQUEST BY THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE.

[RULE 1403]

15. THE EXECUTIVE OFFICER OR HIS REPRESENTATIVE SHALL BE NOTIFIED AND A WRITTEN APPROVAL SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF ANY ABATEMENT PROJECT:

- 1). THE VOLUME OF WHICH WILL EXCEED THE TOTAL MACHINE(S) EXHAUST VOLUME SPECIFIED IN CONDITIONS 4, 6, OR 7; OR

- 2). LOCATED WITHIN 1,000 FEET FROM THE OUTER BOUNDARY OF A SCHOOL.  
[RULE 1403]

### **Emissions And Requirements:**

16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

ASBESTOS: RULE 1403



## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, CHARBROILERS

#### **Conditions:**

##### **For all charbroilers:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS FILING IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THIS EQUIPMENT SHALL BE OPERATED, CLEANED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION IN ITS MAINTENANCE MANUAL OR ANY WRITTEN BULLETIN SUPPLIED BY THE MANUFACTURER/DISTRIBUTOR OF THE EQUIPMENT.

For equipment operating with an air pollution control device the following parameters also apply:

4. THE CHARBROILER SHALL NOT BE OPERATED UNLESS IT IS PROPERLY VENTED TO THE AIR POLLUTION CONTROL DEVICE WHICH IS IN FULL USE AND WHICH IS MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS IN ITS MAINTENANCE MANUAL OR ANY WRITTEN BULLETIN SUPPLIED BY THE MANUFACTURER/DISTRIBUTOR OF THE AIR POLLUTION CONTROL DEVICE OR CHARBROILER.
5. AN OPERATING RECORD OF THE CHARBROILER AND CONTROL DEVICE SHALL BE MAINTAINED IN A WRITTEN FORMAT APPROVED IN WRITING BY THE EXECUTIVE OFFICER. THE RECORD SHALL INCLUDE, AT A MINIMUM, MAINTENANCE RECORDS FOR THE EQUIPMENT.
6. THE RECORDS SHALL BE KEPT FOR A MINIMUM OF ONE YEAR AND MADE AVAILABLE UPON REQUEST OF AQMD PERSONNEL.

For all commercial chain-driven charbroilers, the following parameter applies:

7. RECORDS SHALL BE MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF RULE 1138- CONTROL OF EMISSIONS FROM RESTAURANT OPERATIONS

## **FACILITY PERMIT TO OPERATE MCA/UNIVERSAL STUDIOS**

### **Emissions And Requirements:**

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: 1138

<b><i>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</i></b>  <b><i>SSC DIVISION</i></b>  <b><i>APPLICATION PROCESSING AND CALCULATIONS</i></b>	TOTAL PAGES:	PAGE NO.:
	6	1
	APPL. NO.	DATE
	See Below	02/11/2008
	PROCESSED BY	CHECKED BY
RDO		ABJ

**PERMIT TO CONSTRUCT/OPERATE**

APPLICANT	UNIVERSAL STUDIOS
MAILING ADDRESS	100 UNIVERSAL CITY PLAZA UNIVERSAL CITY, CA
EQUIPMENT LOCATION	3900 LANKERSHIM BLVD UNIVERSAL CITY, CA

**EQUIPMENT DESCRIPTION:**

**APPLICATION NO. 476431**

PRESSURE WASHER, ALLIED MANUFACTURING, MODEL NO. E3000-5GT, DIESEL FIRED FUEL, RATED AT 454,000 BTU PER HOUR.

**APPLICATION NO. 476430**

TITLE V REVISION

**PERMIT CONDITIONS**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
3. THE OPERATOR SHALL NOT PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT DOES NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER
4. AN OPERATIONAL NON RESETTABLE TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE PRESSURE WASHER ELAPSED OPERATING TIME.
5. THIS EQUIPMENT SHALL NOT BE OPERATED MORE THAN 14 HOURS IN ANY ONE DAY AND NO MORE THAN 210 HOURS IN ANY ONE MONTH.
6. RECORDS SHALL BE MAINTAINED WHENEVER THE EQUIPMENT IS OPERATED TO PROVE COMPLIANCE WITH CONDITION NO. FIVE. THE RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

**BACKGROUND:**

<b>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</b>  <b>SSC DIVISION</b>  <b>APPLICATION PROCESSING AND CALCULATIONS</b>	TOTAL PAGES:	PAGE NO.:
	6	2
	APPL. NO.	DATE
	See Below	02/11/2008
	PROCESSED BY	CHECKED BY
	RDO	

The above applications were filed on 12/20/07 as new construction. The equipment is used as a pressure washer (clean sidewalks, flat surfaces, etc).

In the Facility Permit ID#800202, additions are requested to Section D by adding 1 pressure washer. Attached is a draft of Section D in the Facility Permit affected by this addition.

This Title V modification is considered as a "Minor Permit Revision" to the Title V permit because there is no net increase of pollutant emissions do not exceed the threshold levels described District Rule 3005 (c)(1).

### **PROCESS DESCRIPTION**

This portable high-pressure washer will be used to clean walkways around the facility. Diesel fuel is used to fire heating coils in a water and soap filled drum that can withstand high pressure. The hot soapy water can reach pressures of 1000 psi. A long nozzle is used to direct the water to the area to be cleaned. No low NOx controls are employed.

### **CALCULATIONS**

#### 1. Emissions calculations

##### A. Emissions calculations

Determine emissions from NOx, CO, ROG, SOx and PM

$$R1(LB / HR) = \frac{EF \times GAL\ USAGE}{1 \times 10^3}$$

*Note R1 = R2*

*Where EF equal lb/MGAL (ref SCAQMD emissions fee form Appendix A, table 1, default emissions factors for external combustion -2003)*

*The SOx emissions based on 15 ppm Sulfur content in the fuel oil, see attachment for calculation details.*

*Note, if fuel rate is not given, use 350246 btu/gal to estimate the fuel rate*

#### 2. EMISSIONS CALCULATIONS

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT****SSC DIVISION****APPLICATION PROCESSING AND CALCULATIONS**

TOTAL PAGES:	PAGE NO.:
6	3
APPL. NO.	DATE
See Below	02/11/2008
PROCESSED BY	CHECKED BY
RDO	

	lb/hr	lb/day	30-dy ave	lb/yr
RHC	0.00444	0.0621	0.031	11.2
NOx	0.06726	0.9416	0.471	169.3
SO2	0.00073	0.0102	0.005	1.8
CO	0.01681	0.2354	0.118	42.3
PM=PM10	0.0067	0.0942	0.047	16.9

The above emissions are based on 210 hr/mon (7 hr/dy) operation. Limit max hours per day operations to 14, then the NOx emissions will be less than one pound per day.

The 30 day ave will be based on 14 hr/dy and 15 day per month

**3. PERMIT CONDITIONS REVIEW**

- ⇒ Install time meter, Limit hours per month (offsets)
- ⇒ Limit sulfur content of fuel oil (rule 431.2)
- ⇒ Standard record keeping condition

**RULES EVALUATION:**

Rule 212 The equipment is not located within 1,000 feet of a school, thus Public notice is not required. The MICR for the steam cleaner will be less than ten-in-one million. The emissions from the equipment will not exceed the daily maximum specified in subdivision (g) of this Rule. Therefore, a Rule 212 (g) public notice is not required for this project.

**Section (c)(3)(A)(i)**

Equipment	MICR	Limit	Trigger Public Notice
Pressure washer	3.38E-08	10E-06	NO

**Section (g)**

Item	Lb/dy daily maximum	Allow limit-lb/dy	Trigger Public notice
NOx	+1	40	No
ROG	+0	30	No

<b><i>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</i></b>  <b><i>SSC DIVISION</i></b>  <b><i>APPLICATION PROCESSING AND CALCULATIONS</i></b>	TOTAL PAGES:	PAGE NO.:
	6	4
	APPL. NO.	DATE
	See Below	02/11/2008
	PROCESSED BY	CHECKED BY
	RDO	

CO	+0	220	No
PM10	+0	30	No
SOx	+0	60	No

Rule 401 :The equipment is not expected to emit visible emissions.

Rule 402 :The equipment is not expected to emit odorous emissions.

Rule 431.2-Complies, using low sulfur diesel fuel. Effective 6/1/2004 the applicant is required to purchase ultra low sulfur diesel (15 ppm S)

Rule 1146.1 Does not apply

Rule 1146.2 Does not apply

Reg. XIII Compliance with the following sections is anticipated.

1303 (a)-BACT- Limit hours (14) per day to keep NOx emission to less than one pound per day, then NOx emissions less than 1 pound per day for ROG, CO and PM10 , BACT does not apply.

1303 (b)(1)-Complies

Pollutant	Allowed lb/hr	Actual lb/hr	Compliance
NOx	0.2	0.067	Yes
CO	11	0.0168	Yes
PM10	1.2	0.0067	Yes

1303 (b)(2)-Complies, NOx PTE is zero, limit hours of operation to 210 hours.

RULE 1401-Complies, risks less than 1 in a million using Tier 2 (see calculation sheet for detail calculations), summary is listed below:

Item	MICR	HIA	HIC
Tier 2	3.38E-08	7.12E-04	3.75E-04
Compliance	Yes	YES	YES

## RECOMMENDATIONS

<b><i>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</i></b>  <b><i>SSC DIVISION</i></b>  <b><i>APPLICATION PROCESSING AND CALCULATIONS</i></b>	TOTAL PAGES:	PAGE NO.:
	6	5
	APPL. NO.	DATE
	See Below	02/11/2008
	PROCESSED BY	CHECKED BY
	RDO	

### **Regulation XXX**

This facility (id# 800202) is included in Phase One of the Title V universe. The Title V permit identified as A/N 463239 was renewed on 11/01/2007. Therefore the proposed equipment

Rule 3005 (e)(1): The Title V expected permit revision caused by this equipment addition satisfies all the applicable conditions listed in this rule, it constitutes a de minimis significant permit revision (emissions increase less than the values listed in Table 1 of Rule 3000 (b)(6))

Rule 3003 The anticipated de minimis significant permit revision is expected to comply with all the applicable requirements in this rule, of special note are the sections listed below

Section (i)(4) A permit revision may be issued after the permit revision applications meets all conditions in this rule.

Section (j)(1)(A) The EPA Administrator will timely receive the de minimis significant revision upon completion of District evaluation.

Section (j)(1)(C) The EPA Administrator will timely receive the draft of the de minimis significant revision upon completion of District evaluation.

Section (j)(1)(D) The EPA Administrator will timely receive the final Title V permit upon issuance by the District

Section (j)(4)(A) The applicant will be timely notified of any refusal to accept all recommendations for the draft permit

### **RECOMMENDATIONS**

Based on the analysis in this report, the equipment is expected to comply with the applicable Rules and Regulations of the SCAQMD and the applicable BACT requirements.

For this reason, the following disposition is recommended; issue a revised Title V Facility Permit reflecting the installation of an new pressure washer and the removal of two film cleaning machines.

Updates in Section D of the Title V facility Permit resulting from this addition are listed in Equipment and Condition sections of the attached draft permit.

### **RECOMMENDATIONS**

FOR THIS APPLICATION THE FOLLOWING DISPOSITION IS RECOMMENDED:

Issue a P/O for the modification applications and a Permit to Operate for the new pressure washer:

<b>SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT</b>  <b>SSC DIVISION</b>  <b>APPLICATION PROCESSING AND CALCULATIONS</b>	TOTAL PAGES:	PAGE NO.:
	6	6
	APPL. NO.	DATE
	See Below	02/11/2008
	PROCESSED BY	CHECKED BY
	RDO	

## APPENDIX A MAXIMUM INDIVIDUAL CANCER RISK

Methods per "Risk Assessment Procedures for Rule 1401 and 212" revised version 7.0, dated July-2006.

Calculate contaminant R2 emissions (lb/hr) and ton/yr

Find the correct met zone for this location

Find the distance from equipment to the nearest residence and commercial

Look up the unit risk factor for each contaminant

⇒ *Note, Hamang Desia used emissions data from the ARB catef data base. Emissions from this data base can be applied to the Rule 1401 evaluation per Mohan B. and approved by Richard Schneider.*

⇒ *Note fixed location, but for max risk assume 100 meters distance*

⇒ *Note, hrs/dy = 14 hours/days, 7 dy/wk and 25.68 wk/yr.*

⇒ *Combustion emissions*

$$R1(lb/hr) = mgal / hr * E.F.$$

*Where mgal equals (gal/hr\*1mgal/1000)*

*Where E.F. equals the diesel combustion emissions factor in terms of lb/mgal*

*Note, repeat the above equation for each Rule 1401 compound.*



# BOILER EMISSIONS FOR FIRING ON OIL ONLY

Max burner rating	454,000	BTU/hr
heating value	135,000	btu/gal
fuel rate	3.36	gal/hr
use 15 ppm S	yes	
Limit 90,000 therm/yr	no	yes/no
dy/wk	7.00	
day month	15.00	
wk/yr	25.68	
Max hr/dy	14	hr/day

hr/mon 210

## Emissions factors

NOx	20	lb/mgal
ROG	1.32	lb/mgal
CO	5	lb/mgal
SOx	0.215794	lb/mgal
PM=PM10	2	lb/mgal

SCAQMD Appendix A , Table 1, default Emissions factors-2003

	lb/hr	lb/day	30-dy ave	lb/yr
RHC	0.004439	0.0621	0.031	11.2
NOx	0.067259	0.9416	0.471	169.3
SO2	0.000726	0.0102	0.005	1.8
CO	0.016815	0.2354	0.118	42.3
PM=PM10	0.0067	0.0942	0.047	16.9

## Emissions

A. Gal/hr = btu/hr \* 1 gal/135000 btu

B. Emissions (lb/hr) = Emissions factor (lb/mga) \* galf/hr

C. NSR-30 day ave = lb/hr \* dy/wk \* 4.33 wk/mon \* 1 mon/30 day

Note, assume the boiler operates at max load

Note, 100,000 btu/therm

## Rule 1401 emissions

	E.F.*	Emission	
	lb/Mgal	lb/hr	lb/hr-data entry
BENZENE	2.62E-03	8.81E-06	8.8110
FORMALDEHYDE	5.33E-02	1.79E-04	179.2459
PAH'S	3.50E-05	1.18E-07	0.1177
NAPHTHALENE	9.84E-04	3.31E-06	3.3092

ETHYL BENZENE	1.55E-03	5.21E-06	5.2126
HEXANE	1.26E-03	4.24E-06	4.2373
TOLUENE	1.43E-03	4.81E-06	4.8090
XYLENES	1.55E-03	5.21E-06	5.2126
PROPYLENE	1.78E-03	5.99E-06	5.9861
Total			

\* ARB CATEF LIST, reviewed approved by RS

Application deemed complete date:	07/13/07
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Yes/No/Un

Source Type		Q - Other
Screening Mode	NO	
Emission Units	lb/yr	
Source output capacity	n/a	n/a

[illegible]

## TIER 2 SCREENING RISK ASSESSMENT

**A/N:**

**Fac:**

universal

Application deemed complete date:	07/13/07
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## 2. Tier 2 Data

NET Factor	0.64
4 hr	0.94
6 or 7 hrs	0.84

## Dispersion Factors

3	3A & 3B For Chronic X/Q
6	For Acute X/Q
Dilution Factors (ug/m <sup>3</sup> )/(tons/yr)	
Receptor	X/Q
Residential	7.74
Commercial	7.74
	X/Qmax
	373.5

### Adjustment and Intake Factors

	Afann	DBR	EVF
Residential	1	302	0.96
Worker	1.714285714	149	0.38

### 3. Rule 1401 Compound Data

[illegible]

	uncontrolled	controlled
mean age (years)	60.7	60.8
range	49-70	49-70
mean duration of disease (years)	10.2	10.2
range	1-25	1-25
mean haemoglobin A <sub>1c</sub> (%)	8.2	8.2
range	6.5-10.0	6.5-10.0
mean fasting plasma glucose (mmol/L)	10.2	10.2
range	6.5-15.0	6.5-15.0
mean HbA <sub>1c</sub> at baseline (%)	8.2	8.2
range	6.5-10.0	6.5-10.0
mean HbA <sub>1c</sub> at follow-up (%)	8.2	8.2
range	6.5-10.0	6.5-10.0
mean weight (kg)	75.5	75.5
range	55-100	55-100
mean BMI (kg/m <sup>2</sup> )	29.5	29.5
range	25-35	25-35
mean waist circumference (cm)	102.5	102.5
range	85-125	85-125
mean systolic blood pressure (mmHg)	135.5	135.5
range	110-160	110-160
mean diastolic blood pressure (mmHg)	85.5	85.5
range	70-110	70-110
mean serum cholesterol (mmol/L)	5.5	5.5
range	4.0-7.0	4.0-7.0
mean serum triglycerides (mmol/L)	1.5	1.5
range	0.5-3.0	0.5-3.0
mean serum HDL-C (mmol/L)	1.0	1.0
range	0.5-1.5	0.5-1.5
mean serum LDL-C (mmol/L)	3.5	3.5
range	2.0-5.0	2.0-5.0
mean serum albumin (g/L)	35.5	35.5
range	30-40	30-40
mean serum creatinine (μmol/L)	105.5	105.5
range	70-140	70-140
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	50-150
mean serum transferrin saturation (%)	35.5	35.5
range	20-50	20-50
mean serum iron (μg/dL)	105.5	105.5
range	50-150	50-150
mean serum ferritin (ng/mL)	105.5	105.5
range	50-150	

<b>Total</b>	2.11E-04	2.11E-04	5.31E-01	2.65E-04
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A/N: 07/13/07

Date:

TIER 2 RESULTS

5. MICR

MICR =  $CP \text{ (mg/(kg-day))}^{-1} \cdot Q \text{ (ton/yr)} \cdot (X/Q) \cdot Afann \cdot Met \cdot DBR \cdot EVF \cdot 1.E-6 \cdot MP$

Compound	Residential	Commercial
Benzene (including benzene from gasoline)	1.59E-09	5.33E-10
Formaldehyde	6.80E-09	2.28E-09
PolyCyclic Aromatic Hydrocarbon (PAHs)	2.47E-08	4.06E-09
Naphthalene	7.18E-10	2.40E-10
Ethyl benzene		
Hexane (n-)		
Toluene (methyl benzene)		
Xylenes (isomers and mixtures)		
Total	3.38E-08	7.11E-09

Pass Pass

No Cancer Burden MICR < 1.E-6

5a. Cancer Burden		no
X/Q for one-in-a-million:		
Distance (meter)		no data
Area (km2):		
Population:		
Cancer Burden:		

# 6. Hazard Index

HIA = [Q(lb/hr) \* (X/Q)max] \* AF / Acute REL

HIC = [Q(ton/yr) \* (X/Q) \* MET \* MPI] / Chronic REL

Target Organs	Acute	Chronic
Alimentary system (liver) - AL		1.62E-08
Bones and teeth - BN		
Cardiovascular system - CV		
Developmental - DEV	2.28E-06	1.03E-06
Endocrine system - END		1.62E-08
Eye	7.12E-04	3.72E-04
Hematopoietic system - HEM	2.23E-06	9.15E-07
Immune system - IMM	7.14E-04	
Kidney - KID		1.62E-08
Nervous system - NS	4.85E-08	1.07E-06
Reproductive system - REP	2.28E-06	
Respiratory system - RES	7.12E-04	3.75E-04
Skin		



A/N: 07/13/07 Date: 07/13/07

6a. Hazard Index Acute

$$HIA = [Q(lb/hr) * (X/Q)_{max}] * AF / Acute REL$$

Compound	HIA - Residential						
	AL	CV	DEV	EYE	HEM	IMM	NS
Benzene (including benzene Formaldehyde Polycyclic Aromatic Hydro- Naphthalene Ethyl benzene Hexane (n-) Toluene (methyl benzene) Xylenes (isomers and mixtur			2.23E-06 7.12E-04	7.12E-04	2.23E-06 7.12E-04	2.23E-06 7.12E-04	2.23E-06 7.12E-04
			4.85E-08 8.85E-08	4.85E-08 8.85E-08		4.85E-08	4.85E-08 8.85E-08
<b>Total</b>			2.28E-06	7.12E-04	2.23E-06	7.14E-04	2.28E-06 7.12E-04

HIA - Commercial										
Compound	AL	CV	DEV	EYE	HEM	IMM	NS	REP	RESP	SKIN
Benzene (including benzene Formaldehyde PolyCyclic Aromatic Hydro- Naphthalene Ethyl benzene Hexane (n-) Toluene (methyl benzene) Xylenes (isomers and mixtur			2.23E-06	7.12E-04	2.23E-06	2.23E-06 7.12E-04		2.23E-06	7.12E-04	
			4.85E-08	4.85E-08 8.85E-08			4.85E-08	4.85E-08	4.85E-08 8.85E-08	
						</				

6b. Hazard Index Chronic

$$HIC = [Q(\text{ton/yr}) \cdot (X/Q) \cdot \text{MET} \cdot \text{MP}] / \text{Chronic REL}$$

HIC - Residential													
Compound	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Benzene (including benzene Formaldehyde Polycyclic Aromatic Hydro Naphthalene Ethyl benzene Hexane (n-) Toluene (methyl benzene) Xylenes (isomers and mixture)	1.62E-08			9.15E-07 1.62E-08 9.99E-08	1.62E-08	3.72E-04	9.15E-07		1.62E-08	9.15E-07 3.77E-09 9.99E-08 4.64E-08		3.72E-04 2.29E-06 9.99E-08 4.64E-08	
Total	1.62E-08			1.03E-06	1.62E-08	3.72E-04	9.15E-07		1.62E-08	1.07E-06		3.75E-04	

A/N:

Date:

07/13/07

HIC - Commercial													
Compound	AL	BN	CV	DEV	END	EYE	HEM	IMM	KID	NS	REP	RESP	SKIN
Benzene (including benzene Formaldehyde PolyCyclic Aromatic Hydro- Naphthalene Ethyl benzene Hexane (n-) Toluene (methyl benzene) Xylenes (isomers and mixture)	1.62E-08			9.15E-07  1.62E-08 9.99E-08	  1.62E-08	3.72E-04	9.15E-07		  1.62E-08	9.15E-07  3.77E-09 9.99E-08 4.64E-08		3.72E-04  2.29E-06  9.99E-08 4.64E-08	
Total	1.62E-08			1.03E-06	1.62E-08	3.72E-04	9.15E-07		1.62E-08	1.07E-06		3.75E-04	